

Amendments To The Specification:

Please amend the specification at Page 5, Line 17, as follows:

FIGURE 2 is a cross section of an alternative exemplary testing device 60 that may be utilized to determine the amount of heat damage to a resin-fiber composite substrate 10 according to an alternate embodiment of the invention. An infrared beam 15 is transmitted by an infrared source 32. The beam 15 is transmitted through a crystal 70 placed against the substrate 10. The beam 15 is reflected off the lower surface of the crystal 70, but due to an interaction of the infrared energy with the crystal 70 in contact with the substrate 10, a portion of the infrared energy is absorbed. The reflected attenuated beam 16 ~~is the detected~~ is then detected by an infrared detector 74. As is known in the art, the use of a crystal 70 in this manner is referred to as attenuated total reflectance (ATR).